

Apparatus and methods for making multiple, complexly patterned extrudates

Patent Number: ☐ US6251452
Publication date: 2001-06-26
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Requested Patent: ☐ EP1175153 (WO0064270)
Application Number: US19990298716 19990423
Priority Number (s): US19990298716 19990423
IPC Classification: A23L1/27
EC Classification: A21C11/16B, A23L1/00P12B, A23L1/164B, A23P1/12B, A23G3/20F4
Equivalents: AU4476400, AU767766, BR0009977, CA2367988, ☐ WO0064270

Abstract

Apparatus (10) and methods are disclosed where plastic extrudable food product is provided such as by an extruder or pump and is combined with another food product without intermixing to form a complexly patterned food product, such as by a pattern forming die (20). The cross-sectional area of the patterned food product is reduced from an inlet end (34) to an outlet end (36) by a factor of 4:1 to as much as 50:1 at an average convergence angle of 5 to 65 while maintaining the cross-sectional pattern to form a reduced cross-sectional patterned food product, and then is extruded through a die port having an opening equal to the reduced cross-sectional area to form a complexly patterned extrudate

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